



Your Personal Exams Guide



NDA



CDS



SSC CGL



CBSE UGC NET



IAS



SSC CHSL



CTET



MPSC



AFCAT



CSIR UDC NET



IBPS PO



UP POLICE



SSC MTS



SBI PO



BPSC



UP TET



IBPS RRB



IBPS CLERK



IES



UPSC CAPF



SSC Stenogr..



RRB NTPC



SSC GD



RBI GRADE B



RBI Assistant



DSSSB

RRB Group D 2018 Question Paper (1-Nov-2018) (Shift 3)

Total Time: 1 Hour : 30 Minute

Total Marks: 100

Instructions

1. Test will auto submit when the Time is up.
2. The Test comprises of multiple choice questions (MCQ) with one correct answers.
3. The clock in the top right corner will display the remaining time available for you to complete the examination.

Navigating & Answering a Question

1. The answer will be saved automatically upon clicking on an option amongst the given choices of answer.
2. To deselect your chosen answer, click on the clear response button.
3. The marking scheme will be displayed for each question on the top right corner of the test window.

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Test

1. Where are sperms produced? (+1, -0.33)

- a. In the testes
- b. In the prostate gland
- c. In the seminal vesicles
- d. In the scrotum

2. Solve the following expression: $5.032 + 150.03 + 40.00 - 30.50 = ?$ (+1, -0.33)

- a. 165.562
- b. 164.562
- c. 264.562
- d. 154.562

3. Which of the following is NOT correct about bases? (+1, -0.33)

- a. They produce OH^- in aqueous medium/liquid state.
- b. They taste bitter.
- c. They turn red litmus blue.
- d. They react with metals and bicarbonates to form H_2O , CO_2 and salts.

4. $\frac{25}{3}\%$ of which number is 150? (+1, -0.33)

- a. 1550
 - b. 1250
 - c. 1600
 - d. 1800
-

5. Hari buys a used car and spends ₹3,000 on its repairs. If he sells the car for ₹58,000 and earns a 16% profit, how much did he pay to buy the car? (+1, -0.33)

- a. ₹45,000
 - b. ₹47,000
 - c. ₹48,000
 - d. ₹46,000
-

6. Select the option that has the same relationship with the third term as the second has with the first: (+1, -0.33)

Butterflies : Caterpillars :: Mother : _____?

- a. Aunt
 - b. Baby
 - c. Father
 - d. Son
-

7. As per August 2018 information, which political party is in power in Andhra Pradesh? (+1, -0.33)

- a. Congress
- b. TRS
- c. TDP
- d. BJP

8. The famous personality, Balkrishna Doshi, is known for his contribution in which of the following fields? (+1, -0.33)

- a. Sports
- b. Music
- c. Literature
- d. Architecture

9. Solve: $4^2 \times \{(2 + 3) - 11\}$ (+1, -0.33)

- a. 40
- b. 80
- c. -10
- d. -96

10. Akbar followed a policy of religious tolerance and granted high positions in his court to _____.

- a. Rajputs

- b. Christians
 - c. Sikhs
 - d. Muslims
-

11. 286 pencils in a box are to be distributed among three children in the ratio $\frac{1}{2} : \frac{1}{3} : \frac{1}{4}$. Find the number of pencils received by the first child. (+1, -0.33)

- a. 88
 - b. 66
 - c. 132
 - d. 42
-

12. When is National Civil Services Day celebrated in India? (+1, -0.33)

- a. 15 January
 - b. 21 March
 - c. 21 April
 - d. 12 November
-

13. A and B started a business partnership by investing ₹3,20,000 and ₹4,00,000 respectively. After 4 months, C joined the partnership with ₹1,08,000. A and B withdrew ₹1,08,000 (equal to C's investment) in the ratio of their investments. Calculate A, B and C's shares in the ₹51,840 profit after one year. (+1, -0.33)

- a. 20700, 26500, 4640

- b. 21200, 26100, 4640
 - c. 20736, 25920, 5184
 - d. 20900, 26300, 4640
-

14. This element belongs to group 16 of the periodic table and is used to manufacture vulcanised rubber. It reacts with hot concentrated HNO_3 to form sulphuric acid. Which element is it? (+1, -0.33)

- a. Sulphur
 - b. Oxygen
 - c. Germanium
 - d. Silicon
-

15. The XXIII Winter Olympic Games were scheduled to be held in Pyeongchang, South Korea between _____. (+1, -0.33)

- a. 9 March to 25 March, 2018
 - b. 9 February to 25 February, 2018
 - c. 25 February to 10 March, 2018
 - d. 1 February to 13 February, 2018
-

16. Which of the following belongs to Protochordata? (+1, -0.33)

- a. Amphioxus
- b. Rohu

- c. Dogfish
 - d. Tuna
-

17. The first Subsidiary Alliance was signed by the Nizam of Hyderabad in ----- (+1, -0.33)

- a. 1799
 - b. 1798
 - c. 1797
 - d. 1796
-

18. Find the next number in the following series: 9, 18, 36, 72, 144, ? (+1, -0.33)

- a. 288
 - b. 289
 - c. 292
 - d. 295
-

19. Force $\times$ Displacement is equal to ----- (+1, -0.33)

- a. Thrust
- b. Energy
- c. Pressure

d. Work

20. The web portal launched by the Government of India for online verification of students' documents is _____. (+1, -0.33)

- a. e-Verification
 - b. e-Abhyas
 - c. e-Sanad
 - d. e-Document
-

21. A kiosk sells various types of shakes and other health drinks. 85% of the kiosk's sales come from shakes. The store's average sales per quarter are ₹1,50,000. Find the estimated average monthly sales from health drinks excluding shakes. (+1, -0.33)

- a. ₹7,500
 - b. ₹2,000
 - c. ₹2,500
 - d. ₹7,000
-

22. A person bought an article for ₹1,525 and sold it at 12% profit. What was the selling price of the article? (+1, -0.33)

- a. ₹1,708
- b. ₹1,672
- c. ₹1,680

d. ₹1,662

23. 'No One Can Pronounce My Name' (published in 2017) is a novel by which of the following authors? (+1, -0.33)

- a. Rakesh Satyal
- b. Sandhya Menon
- c. Rahul Mehta
- d. Roshani Chokshi

24. With the aim of working for a free, open and prosperous Indo-Pacific region, India signed three agreements in March 2018 with which country? (+1, -0.33)

- a. China
- b. Singapore
- c. Vietnam
- d. Cambodia

25. Find the value of the following: (+1, -0.33)

$$40 - 2(12 + 13 \div 5 \times 3 - 5 \times 2) + 19 = ?$$

- a. 38.4
- b. 36.4
- c. 39.4
- d. 38

26. The sum of the ages of Navya and Kavya is 35 years. The product of their ages is 300. What will their ages be one year from now? (+1, -0.33)

- a. 20 years and 16 years
- b. 21 years and 16 years
- c. 25 years and 10 years
- d. 16 years and 19 years

27. A, B and C are three brothers. A's age equals B's. The sum of the three brothers' ages equals five times C's age. Three years ago, A's age was three times C's. Four years from today, what will C's age be? (+1, -0.33)

- a. 15 years
- b. 12 years
- c. 20 years
- d. 10 years



Your Personal Exams Guide

28. Select the appropriate option to fill the blank in place of (?) in the given figure. (+1, -0.33)





b.



c.



d.

29. How can a substance be changed from one state to another? (+1, -0.33)

- a. By using electrolyte
- b. By increasing pressure
- c. By absorbing and releasing thermal energy
- d. By using acid and base

30. In a college of 480 students, each student reads 5 newspapers and each newspaper is read by 60 students. Find the number of newspapers: (+1, -0.33)

- a. 69
- b. at least 35
- c. exactly 40

d. at most 20

31. _____ is a factor that brings or attempts to bring a body into motion or attempts to stop or slow it down. (+1, -0.33)

a. Force

b. Watt

c. Work

d. Joule

32. Read the question and decide which of the following statements is sufficient to answer it. (+1, -0.33)

Question:

Three patients — Y, U and K, are waiting at the dentist's. On a first-come-first-served basis, whom will the dentist see first?

Statements:

1. Y comes after K and U.

2. K comes before U.

a. Only statement 2 is sufficient

b. Only statement 1 is sufficient

c. Statements 1 and 2 together are not sufficient

d. Statements 1 and 2 together are sufficient

33. What day was 1 August 1987? (+1, -0.33)

a. Saturday

- b. Thursday
 - c. Sunday
 - d. Tuesday
-

34. The angles of a triangle are in the ratio 3 : 4 : 5. Find all the angles. (+1, -0.33)

- a. $40^\circ, 60^\circ, 80^\circ$
 - b. $30^\circ, 60^\circ, 120^\circ$
 - c. $20^\circ, 70^\circ, 80^\circ$
 - d. $45^\circ, 60^\circ, 75^\circ$
-

35. Select the option that has the same relationship with the third word as the second has with the first: (+1, -0.33)

Running : Walking :: Rush : _____

- a. Slow
 - b. Bus
 - c. Sweat
 - d. Quick
-

36. In a certain code language (+1, -0.33)

BOX : 41 and MAP : 30. Then RAT will be _____.

- a. 38
- b. 39

c. 41

d. 40

37. Rajeev was to be paid ₹500 and given a free holiday for seven weeks of work. He worked only 5 weeks and received ₹50 plus a free holiday. What was the value of the holiday? (+1, -0.33)

a. ₹1,850

b. ₹1,675

c. ₹1,075

d. ₹1,550

38. Consider the given statement and following arguments, and identify which arguments are strong in relation to the statement. (+1, -0.33)

Statement:

The number of cars in the city has increased, posing a danger to cyclists.

Arguments:

I. Yes, because of the increase in four-wheeler traffic, jams occur at intersections and other travellers are also affected. The annual sale of four-wheelers should be limited.

II. No, if disciplined driving rules are followed, there will be no danger on the road despite an increase in cars.

a. Only argument I is strong

b. Both arguments I and II are strong

c. Neither I nor II is strong

d. Only argument II is strong

39. Which is the smallest perfect square number divisible by each of 21, 35 and 175? (+1, -0.33)
- a. 18225
 - b. 1225
 - c. 21025
 - d. 11025
-

40. Where is the headquarters of the Food Safety and Standards Authority of India located? (+1, -0.33)
- a. Hyderabad
 - b. Mumbai
 - c. New Delhi
 - d. Chennai
-

41. What is the smallest integer divisible by 3 and the next two prime numbers greater than 3? (+1, -0.33)
- a. 100
 - b. 105
 - c. 99
 - d. 208
-

42. Below are two statements and two conclusions I and II. Assume the statements to be true even if they seem at variance with commonly known facts. State which conclusions follow. (+1, -0.33)

Statements:

- 1) All three-sided figures are triangles.
- 2) No triangle is a circle.

Conclusions:

- I) All triangles have three sides.
- II) No circle has three sides.

- a. Both conclusions I and II follow
- b. Only conclusion I follows
- c. Neither conclusion I nor II follows
- d. Only conclusion II follows

-
43. Consider the statements to be true even if they seem at variance with commonly known facts, and state which of the given conclusions logically follows. (+1, -0.33)

Statement:

In City X, air pollution has reached its maximum level due to harmful automobile emissions.

Conclusions:

1. The government should ban the registration of new vehicles in the city.
2. Vehicles more than 15 years old should be banned inside City X.

- a. Either conclusion 1 or 2 follows
- b. Only conclusion 2 follows
- c. Only conclusion 1 follows
- d. Neither conclusion 1 nor 2 follows

44. Using the given analogy select the correct word from the given options: (+1, -0.33)
Liquid : Litre

- a. Weight : Kilogram
- b. Flower : Vase
- c. Fame : Television
- d. Bushel : Corn

45. A component of a given size that has low resistance is called: (+1, -0.33)

- a. Insulator
- b. Conductor
- c. Resistor
- d. Semi-insulator

46. As per Moody's ratings of August 2018, what is India's estimated GDP? (+1, -0.33)

- a. 8%
- b. 7.5%
- c. 6.8%
- d. 6.5%

47. D-block elements are also known as: (+1, -0.33)

- a. Alkaline earth metals group
- b. Zero group
- c. Inert gases
- d. Transition elements

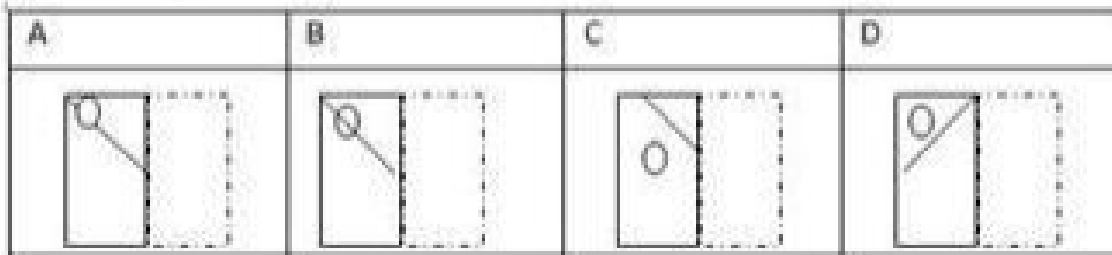
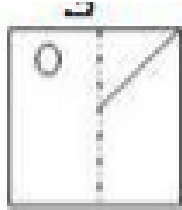
48. Find the value of $|21 \div (-7) + 12| \times 21 + 5$. (+1, -0.33)

- a. 194
- b. 491
- c. 149
- d. 419

49. The outer shell electronic configuration of the most electronegative element is: (+1, -0.33)

- a. ns^2np^3
- b. ns^2np^4
- c. ns^2np^5
- d. ns^2np^6

50. On folding along the dotted line, which pattern will the given transparent sheet resemble? (+1, -0.33)



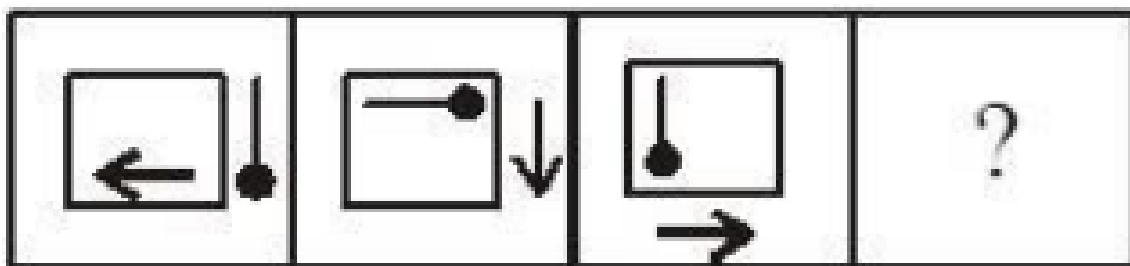
- a. B
- b. A
- c. C
- d. D

51. Identify the next figure in the given series.

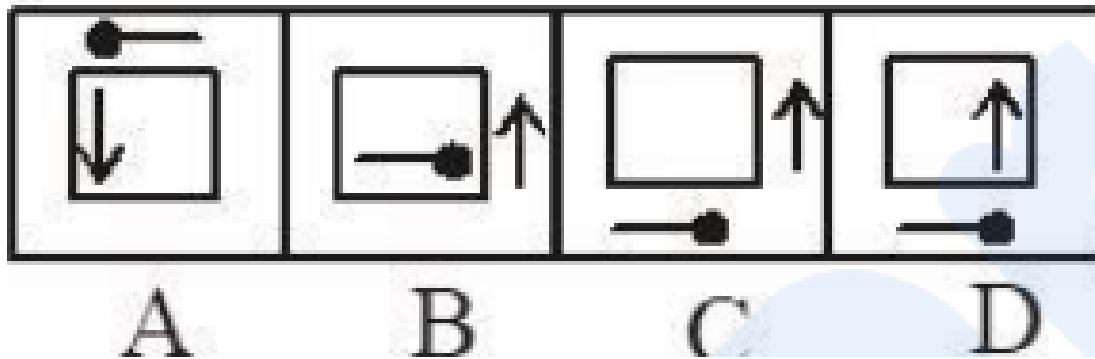
(+1, -0.33)

Question Figure:

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Option Figures:



- a. A
- b. B
- c. D
- d. C

52. As of February 2018, which state government was awarded the 'Geospatial World Excellence Award-2018' for the successful IT application through its I3 MS web-based software for real-time tracking of mineral production, dispatch and value earned? (+1, -0.33)

- a. Tamil Nadu
- b. Andhra Pradesh
- c. Odisha
- d. Karnataka

53. The SI unit of the universal gravitational constant is: (+1, -0.33)

- a. $\text{Nm}^{-2}\text{Kg}^{-2}$

- b. Nm^2Kg^2
- c. $\text{Nm}^2\text{Kg}^{-2}$
- d. $\text{Nm}^{-2}\text{Kg}^2$

54. The term 'Googly' is associated with which sport? (+1, -0.33)

- a. Archery
- b. Athletics
- c. Cricket
- d. Swimming

55. NITI (National Institution for Transforming India) Aayog has replaced ----- (+1, -0.33)

- a. the Election Commission
- b. the 7th Pay Commission
- c. the Planning Commission
- d. the Left Commission

56. A restaurant serves three types of fruit juices. The owner conducts a survey and finds the following: 45 people like the first, 60 people like the second and 40 people like the third. 20 people like all three. 30 people like at least two of them. How many people actually like exactly one type of fruit juice? (+1, -0.33)

- a. 58

- b. 60
 - c. 56
 - d. 65
-

57. In a code language, CARRY is written as XZIB. How will BRING be written in the same code? (+1, -0.33)

- a. YIRMH
 - b. YIRMK
 - c. YIRMT
 - d. YIRMS
-

58. Which part of an atom constitutes an electric current? (+1, -0.33)

- a. Proton
 - b. Electron
 - c. Positron
 - d. Neutron
-

59. The Gautam Buddha Wildlife Sanctuary is located in _____. (+1, -0.33)

- a. Odisha
- b. Bihar
- c. Chhattisgarh

d. Jharkhand

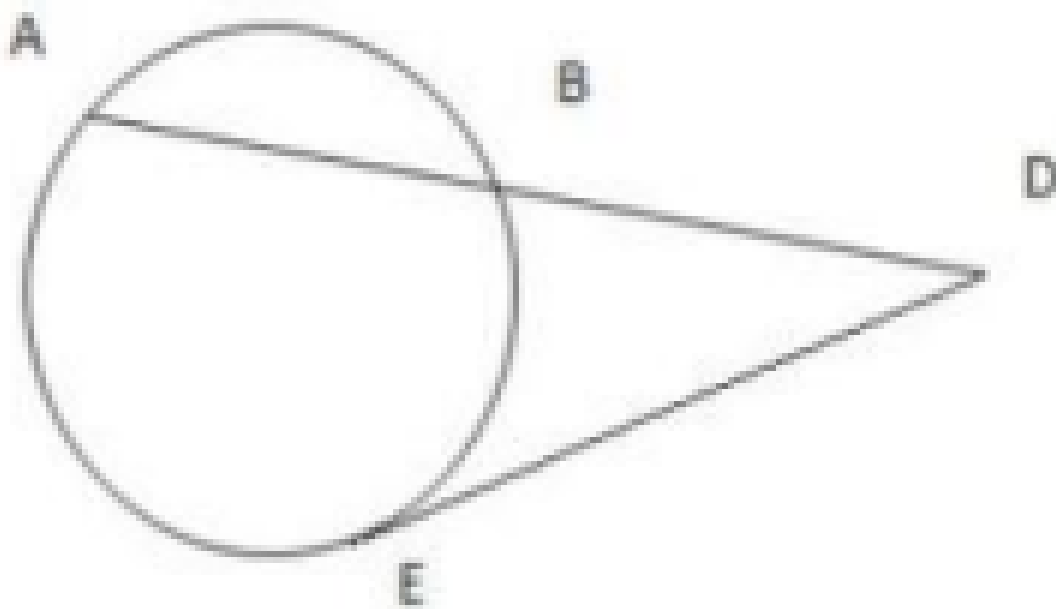
60. A slow chemical change in an organic compound by the action of enzymes, producing smaller molecules, is called: (+1, -0.33)

- a. Fermentation
 - b. Refined spirit
 - c. Homologous series
 - d. Isomers
-

61. The angle of depression from the top of a tower to the foot of a building 36 metres away is 30° . What is the height of the tower? (+1, -0.33)

- a. $12\sqrt{3}$ m
 - b. 24 m
 - c. 36 m
 - d. $24\sqrt{3}$ m
-

62. In the given circle, chord AB is extended to meet the tangent DE at point D. If AB = 10 cm and DE = 12 cm, find the length of BD. (+1, -0.33)



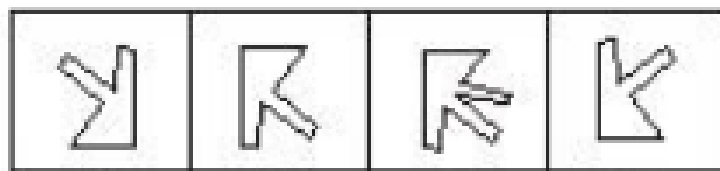
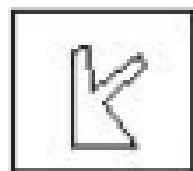
- a. 9 cm
- b. 7 cm
- c. 8 cm
- d. $2\sqrt{21}$ cm

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63. In humans, sound is produced by the vibration of _____. (+1, -0.33)

- a. respiratory cords
- b. mouth cavity
- c. vocal cords
- d. pharynx

64. Select the correct mirror image of the given figure: (+1, -0.33)



A

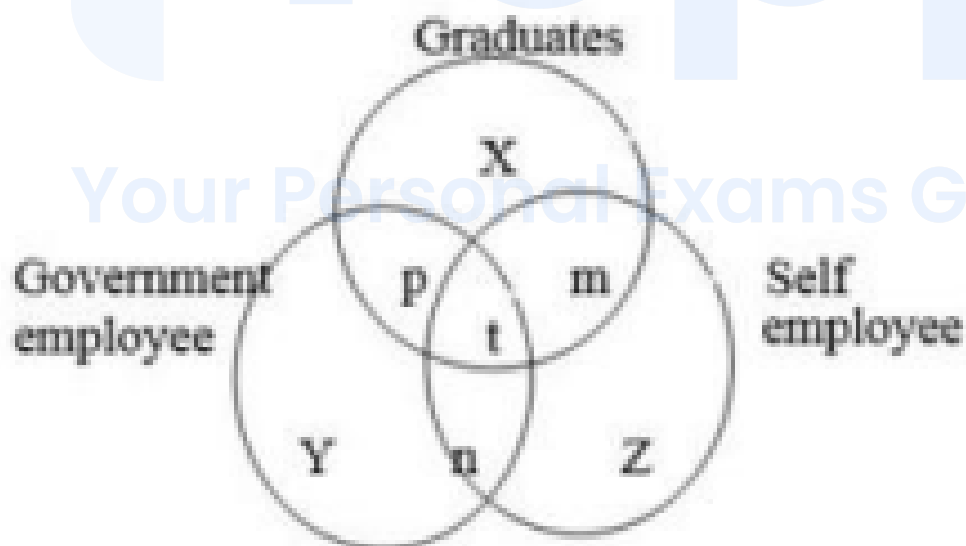
B

C

D

- a. D
- b. B
- c. A
- d. C

65. Study the following data and answer the question given below: (+1, -0.33)



In the given Venn diagram, which letter represents the group that consists of **both government employees and self-employed persons**?

- a. which letter represents the group of those who are both government employees and private workers?
- b. s
- c. m
- d. n

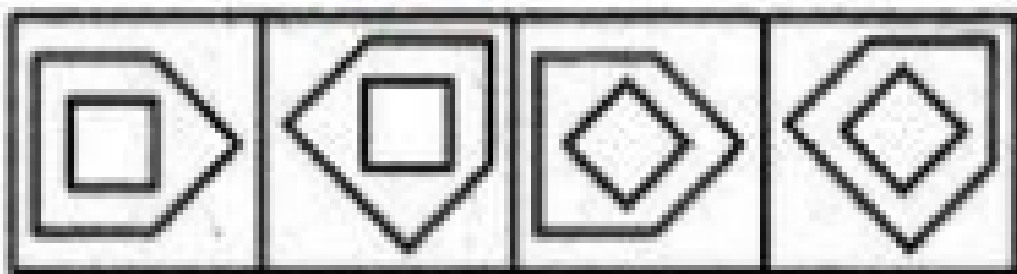
66. Select the answer figure that will replace the question mark.

(+1, -0.33)

Question Figure:



Option Figures:



A

B

C

D

- a. A
- b. B

c. D

d. C

67. _____ moles are present in 12 g of oxygen. (+1, -0.33)

a. 0.5

b. 3.75

c. 0.375

d. 0.4

68. $8 _ 10 _ 20 _ 6 = 11$ (+1, -0.33)

Fill in the correct signs in the blanks of the above equation:

a. +, ×, +

b. +, ÷, ×

c. +, +, ×

d. ÷, -, ×

69. A tank can be filled by taps A and B in 6 hours and 3 hours respectively. (+1, -0.33)

Tap C can empty the full tank in 5 hours. If all three taps are opened together how long will it take to fill the tank? Note: This question was flagged with a discrepancy and ignored for all candidates.

a. $\frac{1}{10}$ hrs

b. $\frac{1}{9}$ hrs

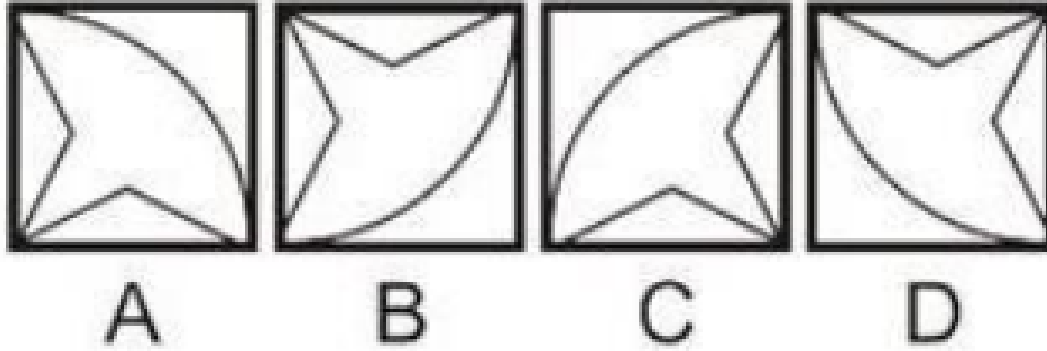
c. $\frac{3}{10}$ hrs

d. $\frac{5}{9}$ hrs



70. Which of the following figures completes the blank space?

(+1, -0.33)



- a. C
- b. A
- c. B
- d. D

71. The _____ speed of a car at any given time can be measured by its speedometer. (+1, -0.33)

- a. maximum
- b. natural
- c. natural
- d. instantaneous

72. In how many years will a sum of money double at 10% simple interest per annum? (+1, -0.33)

- a. 8 years
- b. 4 years

c. 10 years

d. 6 years

73. The prestigious Grammy Award winner Pt. Vishwa Mohan Bhatt is a renowned _____. (+1, -0.33)

a. Slide guitarist

b. Sitar player

c. Shehnai player

d. Piano player

74. What is the valve located in the right atrioventricular septum (atrioventricular membrane) between the right atrium and right ventricle called? (+1, -0.33)

a. Nerve valve

b. Tricuspid valve

c. Bicuspid valve

d. Pulmonary valve

75. The angle of depression from the top of an $88\sqrt{3}$ m high tower to the base of a building is 60° . Find the distance of the building from the tower. (+1, -0.33)

a. $44\sqrt{3}$ m

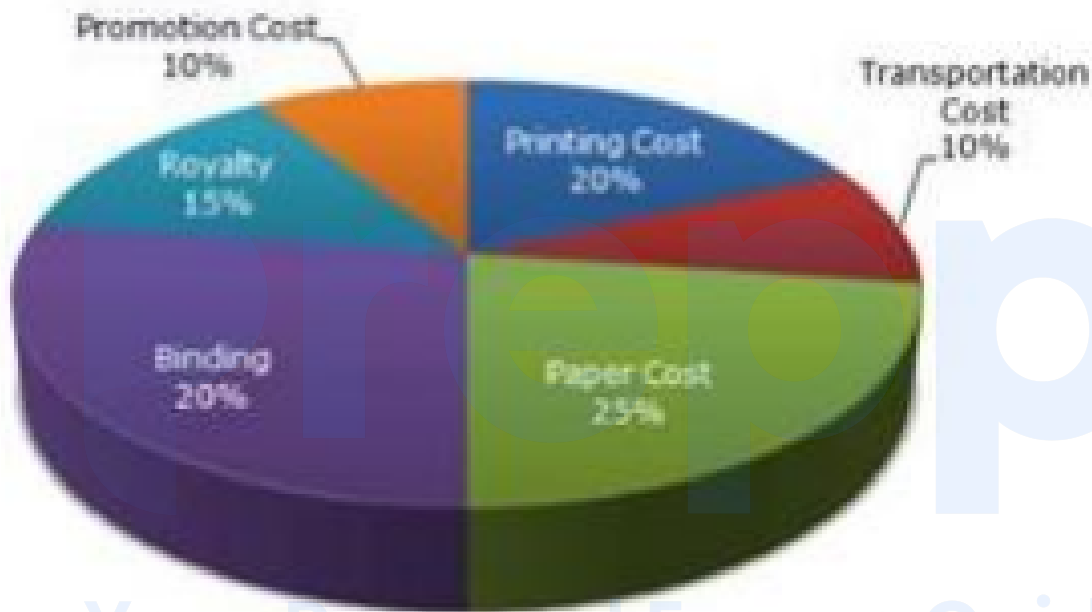
b. $46\sqrt{3}$ m

c. 88 m

d. 44 m

76. The pie graph above shows the expenses of a publishing house in Karnataka. (+1, -0.33)

The central angle of the sector corresponding to promotion cost is
-----.



a. 72°

b. 90°

c. 54°

d. 36°

77. Surya stands facing east, then turns 45° clockwise, then 135° anti-clockwise and then 90° clockwise again. Which direction is he now facing? (+1, -0.33)

a. South

- b. West
 - c. North
 - d. East
-

78. International Jazz Day is celebrated every year on _____. (+1, -0.33)

- a. 30 April
 - b. 2 March
 - c. 20 April
 - d. 10 June
-

79. Find the value of the following: (+1, -0.33)

$$40 - (7 \times 3 + 24 \div 8 \times 3 - 4 \times 2) + 12$$

- a. 20
 - b. 10
 - c. 30
 - d. 40
-

80. Gold, silver and bronze medals were introduced in the Olympic Games in the year _____. (+1, -0.33)

- a. 1919
- b. 1918

c. 1904

d. 1915

-
81. Read the given statement(s) and assumptions carefully and select the assumption(s) which is/are implicit in the statement(s): (+1, -0.33)

Statement:

If you want to be well-trained in aerobics, take training from aerobics expert Manisha.

Assumptions:

I. Manisha is the best aerobics trainer in India.

II. There is no other trainer of aerobics besides Manisha.

- a. Both I and II are implicit
- b. Only assumption I is implicit
- c. Neither I nor II is implicit
- d. Only assumption II is implicit

-
82. Read the given question and identify which argument is strong in relation to it. (+1, -0.33)

Question:

When an actor is drinking alcohol in a movie, should the warning "Drinking alcohol is injurious to health" be mandatorily displayed on the screen at that time?

Arguments:

I) It takes the idea of watching a movie out of one's mind.

II) No, it creates disturbance on the screen while watching the movie.

- a. Only argument I is strong
- b. Only argument II is strong

- c. Both I and II are strong
 - d. Neither I nor II is strong
-

83. _____ makes the origin of greater diversity possible. (+1, -0.33)

- a. Sexual reproduction
 - b. Asexual reproduction
 - c. Tissue culture
 - d. Vegetative growth
-

84. How many water molecules are present in one molecule of washing soda? (+1, -0.33)

- a. 10
 - b. 7
 - c. 5
 - d. 12
-

85. A 10-kg body falls from a height of 4.0 m. Calculate the work done by the gravitational force acting on it. (Take $g = 10 \text{ m/s}^2$) (+1, -0.33)

- a. 400 J
- b. 100 J
- c. 200 J

d. 300 J

86. If m men can do $1/n$ of a work in p days, find the expression for the number of men required to complete the whole work in q days. (+1, -0.33)

a. mnq/p

b. mp/nq

c. mn/pq

d. mnp/q

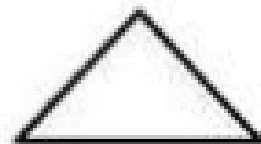
87. What will be the mass of 0.6 moles of hydrogen atoms? (+1, -0.33)

a. 0.5 g

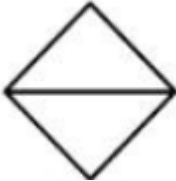
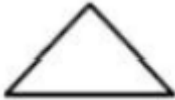
b. 2.0 g

c. 6.0 g

d. 0.6 g

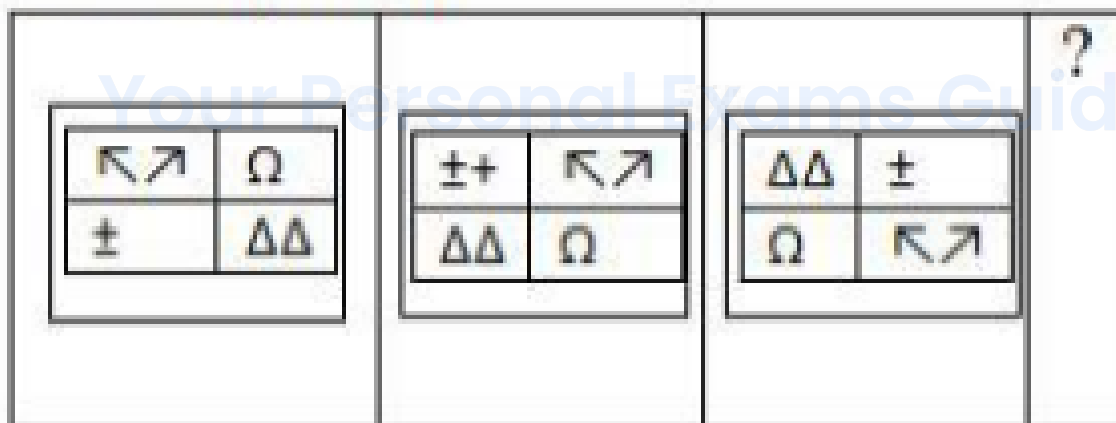


88. Select the correct figure that will come next in the sequence of the above four figures: (+1, -0.33)

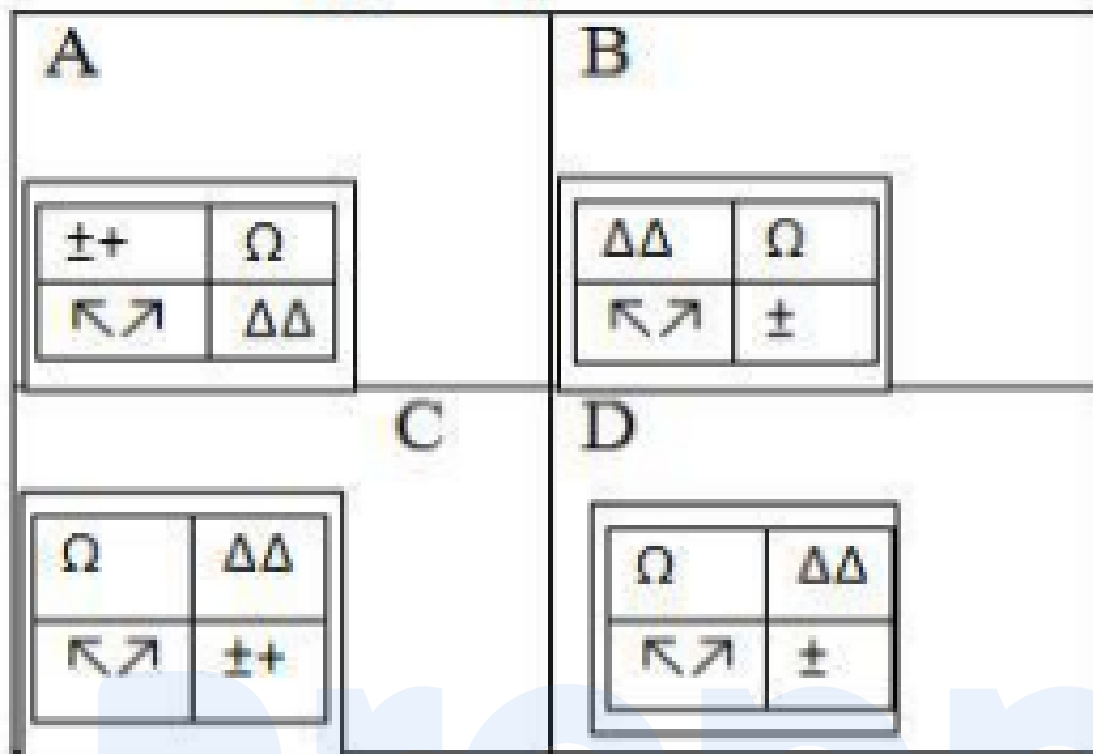
- a. 
- b. 
- c. 
- d. 

89. Select the option figure that will complete the given question figure series. (+1, -0.33)

Question figures:



Option figures:



- a. C
- b. D
- c. B
- d. A

90. The speed of a wave in a medium is 600 m/s. If 600 waves pass through a point of the same medium in 1 minute, what is the wavelength? (+1, -0.33)

- a. 10 m
- b. 60 m
- c. 100 m
- d. 20 m

91. Madhubani painting is a style of Indian painting practiced in the Mithila region of _____ state of India. (+1, -0.33)

- a. Odisha
- b. Chhattisgarh
- c. Bihar
- d. Jharkhand

92. At the start of a journey, Aritra's car fuel tank had $18\frac{2}{7}$ litres of petrol. At the end of the journey, only $6\frac{6}{7}$ litres remained. What fraction of the initial petrol was consumed during the journey? (+1, -0.33)

- a. $\frac{11}{16}$
- b. $\frac{3}{8}$
- c. $\frac{5}{8}$
- d. $\frac{3}{4}$

93. In the following series the 6th letter to the right of the 18th letter from the left is: (+1, -0.33)

ABCDEFGHIJKLMNOPQRSTUVWXYZ

- a. Z
- b. X
- c. W
- d. Y

94. A particle is projected vertically upward with a speed of $\sqrt{1.6gR}$. If the Earth's radius is R, what is the maximum height attained by the particle? (+1, -0.33)

- a. 4 R
- b. 3 R
- c. 2 R
- d. R

95. Who was the 12th Prime Minister of India? (+1, -0.33)

- a. P. V. Narasimha Rao
- b. Inder Kumar Gujral
- c. H. D. Deve Gowda
- d. Atal Bihari Vajpayee

96. In a certain code, PEARL is written as UJFWQ. How will PIANO be written in the same code? (+1, -0.33)

- a. UNFST
- b. NFUTS
- c. UNFTV
- d. NSTUF

97. Plants of the _____ group are commonly called algae. (+1, -0.33)

- a. Pteridophyta
- b. Thallophyta
- c. Bryophyta
- d. Gymnosperms

98. Parvez lives in City A and Gautam in City B. They start their journeys at the same time along the same route toward each other's towns. They meet somewhere on the way and continue their journeys. After meeting Gautam, Parvez takes 16 hours to reach his destination, while Gautam takes 4 hours to reach Parvez's town. If Parvez travelled at 40 km/hr, find Gautam's speed in km/hr. (+1, -0.33)

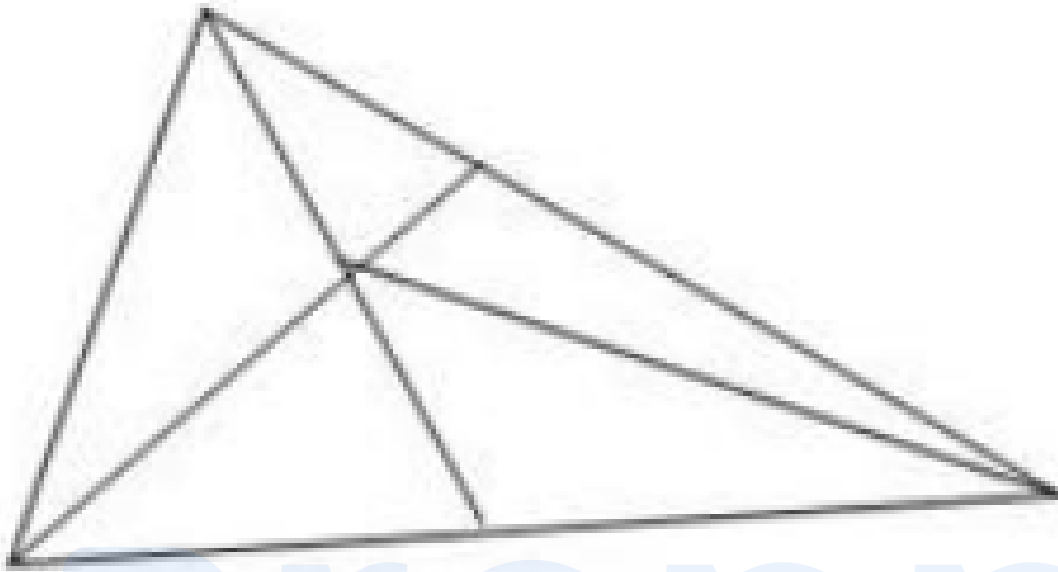
- a. 82.5
- b. 80
- c. 77.5
- d. 85

99. Find the angle of projection for which the range and maximum height are equal. (+1, -0.33)

- a. $\tan^{-1}(2)$
- b. $\tan^{-1}(4)$
- c. $\tan^{-1}\left(\frac{1}{4}\right)$
- d. $\tan^{-1}\left(\frac{1}{2}\right)$

100. How many triangles are there in the following figure?

(+1, -0.33)



- a. 12
- b. 9
- c. 15
- d. 6

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